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MONTANA OIL AND GAS STATISTICAL BULLETIN

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BOARD OF OIL AND GAS CONSERVATION
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HELENA, MONTANA 59601

Vol. XXVI, No. 12 4 **December, 1977**

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59620

PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of December, 1977, averaged 83,537 barrels daily, a decrease of 5,669 barrels from the average 89,206 production in November.

The six refineries in the state processed 128,764 barrels of crude oil daily for the month of December, a decrease of 6,009 barrels from the 134,773 barrels processed daily during the month of November.

During December, 70 wells were completed, 18 oil, 27 gas, and 25 dry holes.

During December, the board issued 91 permits to drill new wells, an increase of 5 from the 86 permits issued during November.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF DECEMBER, 1977

IN STORAGE DECEMBER 1st	
BY Producers	347,922
By Transporters	1,210,326
By Refiners	1,299,317
TOTAL STORAGE	2,857,565
Produced in Mont. During Month	2,589,661
Imported During Month	3,323,377
TOTAL	8,770,603
DISPOSITION	
Refined in Montana	3,991,691
Exported	1,705,222
Used for Fuel or Lost	17,013
TOTAL	5,713,926
IN STORAGE DECEMBER 31st	
By Producers	351,530
By Transportation	1,283,703
By Refiners	1,421,444
TOTAL STORAGE	3,056,677

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 15.025 LBS. AND 60°F.

MONTH OF DECEMBER, 1977

Field	MC. Ft.
NATURAL:	
Alma	—0—
Bear's Den	—0—
Big Coulee	190,247
Black Coulee	4,517
Blackjack	42,073
Big Rock	175,146
Bowdoin	571,306
Bowes	86,367
Brown's Coulee	164
Bullwacker & Area	129,461
Canadian Coulee	75,935
Cedar Creek	185,876
Chip Creek	1,988
Clark Fork, North	—0—
Coal Coulee	4,970
Conrad-Butte	12,070
Cut Bank (including Reagan)	455,884
Dry Creek	117,139
Dry Creek, Middle	2,250
Dunkirk North	16,748
Ethridge	8,150
Flat Coulee	16,576
Fred & George	—0—
Fresno	6,764
Gold Butte	1,860
Grandview	—0—
Hardin	832
Haystack	26,044
Keith Block	103,516
Kevin Sunburst	56,741
Kevin Sunburst Nisku & Area	7,632
Kicking Horse	3,022
Kinyon Coulee Area	7,719
Lake Basin	36,036
Liscom Creek	17,398
Middle Butte	1,116
Miners Coulee	37,165
Mt. Lilly	23,602
Plevna	3,004
Prairie Dell	44,553
Pumpkin Creek	375
Rapelje	26,555
Rocky Boy Area	12,962
Sage Creek	1,087
Sawtooth Mountain & Area	184,743
Sherard	85,426
Strawberry Creek Area	7,868
Snoose Coulee	18,431
South Devon	14,011
South Shelby	—0—
Swanson Creek	4,744
Tiger Ridge	1,200,682
Trail Creek	—0—
Utopia	59,520
West Butte	16,456
Whitlash	137,978
Willow Ridge	10,694
ASSOCIATED:	
Bell Creek	42,464
Big Muddy	6,066
Blue Hill	2,477
Clark Fork, South	6,359
Elk Busin	5,079
Fairview	37,358
Four Mile Creek	5,516
Four Mile Creek, West	668
Otis Creek	950
Richland	57,210
Sioux Pass	14,262
Sioux Pass, East	1,543
Sioux Pass, Middle	6,805
Sioux Pass, North	6,147
Sumatra	13,781
Tule Creek	11,165
TOTAL	4,473,253

Total withdrawals for December, 1976 were 4,515,529 MCF.

PRODUCERS' REPORT—MONTH OF DECEMBER, 1977

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By: Pipeline	Oil Shipped By: Truck	Used or Lost	Storage End of Month
3	Arch Apex	4	1,121	720	.....	475	.....	1,366
1	Ash Creek	2	285	776	.....	771	.....	290
1	Bainville	1	2,269	1,368	.....	1,292	.....	2,345
....	Bannatyne	....	607	.....	.....	.....	.....	607
5	Bears Den	6	1,536	816	196	1,014	.....	1,142
15	Bell Creek	172	14,639	716,755	714,504	.....	2,102	14,788
1	Benrud	2	304	148	.....	220	.....	232
2	Benrud East	2	1,335	8,950	7,973	888	.....	1,424
1	Benrud Northeast	1	490	994	750	.....	.....	734
1	Berthelote	1	485	75	.....	209	.....	351
3	Big Gully	3	827	2,197	.....	2,392	4	628
3	Big Muddy Creek	3	2,138	8,911	.....	8,645	.....	2,404
5	Big Wall	15	1,305	5,639	5,275	.....	.....	1,669
1	Blackfoot	6	557	1,474	1,600	.....	.....	431
1	Blue Hill	1	489	3,322	.....	3,203	.....	608
6	Border	11	1,861	1,103	.....	1,243	.....	1,721
1	Boulder	1	906	1,712	.....	1,663	.....	955
1	Bowes	60	3,656	10,231	.....	9,911	.....	3,976
1	Bradley	1	270	516	.....	416	.....	370
2	Breed Creek	5	1,789	8,026	.....	6,546	.....	1,269
5	Brorson—Madison	5	2,718	1,685	1,743	.....	.....	2,660
4	Brorson—Red River	4	5,149	7,783	8,327	.....	.....	4,605
3	Brorson—Red River S.	3	2,391	1,940	2,688	.....	.....	1,643
3	Brush Lake	3	1,217	7,706	6,896	.....	.....	2,027
1	Burns Creek	1	437	132	433	.....	.....	136
2	Cabin Creek	85	.....	137,963	137,963	.....	.....	.....
2	Canal	2	1,737	2,597	.....	3,064	.....	1,270
9	Cat Creek	57	1,637	8,030	7,811	.....	.....	1,856
2	Charlie Creek	2	2,023	11,212	.....	11,098	.....	2,137
...	Clarks Fork	....	37	.....	.....	.....	.....	37
...	Clarks Fork North	....	242	.....	.....	.....	.....	242
1	Clarks Fork South	1	1,119	264	.....	.....	.....	1,383
2	Clear Lake	2	1,420	7,884	.....	8,632	.....	672
...	Conrad South	....	90	.....	.....	.....	.....	90
1	Cow Creek	1	264	370	391	.....	.....	243
8	Cow Creek East	10	3,478	17,201	17,274	.....	.....	3,405
1	Culbertson	1	817	535	.....	454	.....	898
7	Cupton	10	4,077	9,065	.....	8,169	.....	4,973
87	Cut Bank	825	34,107	147,483	118,523	27,720	370	34,977
1	Dagmar	2	488	3,562	3,172	.....	.....	878
1	Dean Dome	1	185	1,193	.....	1,178	.....	200
1	Deer Creek	1	720	694	885	.....	.....	529
..	Delphia	....	56	.....	.....	.....	.....	56
..	Devils Basin	....	294	.....	.....	.....	.....	294
7	Dry Creek	7	877	3,001	.....	2,977	.....	901
2	Dwyer	10	3,265	14,220	13,477	.....	.....	4,008
3	Elk Basin	52	481	82,533	82,529	.....	.....	485
2	Elk Basin Northwest	4	1,262	1,474	1,018	386	.....	1,332
5	Fairview	9	7,268	21,279	23,004	.....	.....	5,543
2	Fertile Prairie	2	444	1,154	.....	848	.....	750
4	Flat Coulee	20	2,494	10,594	10,485	215	.....	2,388
8	Flat Lake	50	2,354	42,927	42,656	.....	.....	2,625
5	Flat Lake South	5	1,091	3,023	2,766	.....	.....	1,348
1	Fort Gilbert	2	1,024	3,782	4,106	.....	.....	700
1	Four Mile Creek	1	255	5,754	5,727	.....	.....	282
1	Four Mile Creek West	1	1,030	970	.....	1,522	.....	478
1	Frannie	1	.....	496	496	.....	.....	.....
7	Fred & George Creek	28	5,159	39,621	39,266	.....	.....	5,514
1	Froid South	1	954	617	.....	836	.....	735
....	Gage	....	35	.....	.....	.....	.....	35
3	Gas City	11	3,874	10,256	401	11,856	.....	1,873
....	Girard	....	1,309	.....	.....	.....	.....	1,309
12	Glendive	15	2,499	16,150	12,792	3,999	.....	1,858
...	Golden Dome	....	350	.....	.....	.....	.....	350
11	Goose Lake	18	4,306	14,088	14,651	.....	.....	3,743
12	Graben Coulee	34	3,461	3,776	2,387	678	.....	4,172
1	Grandview East	1	147	230	.....	.....	.....	377
3	Gumbo Ridge	4	925	2,295	.....	723	.....	2,497
4	Gypsy Basin	4	747	1,033	.....	483	540	757
2	Hay Creek—Mission	2	1,316	667	.....	731	.....	1,252
2	Hay Creek—Red River	2	1,820	2,100	850	1,002	.....	2,068
4	Hiawatha	4	1,341	4,087	3,199	.....	.....	2,229
1	Hibbard	1	704	295	.....	208	.....	791
4	High Five	9	2,859	9,541	9,892	.....	31	2,477
....	Highview	....	25	.....	.....	.....	.....	25
1	Horse Creek	1	679	133	.....	.....	.....	812
3	Howard Coulee	3	751	2,145	.....	1,231	.....	1,665
5	Ivanhoe	10	1,123	2,426	2,459	.....	.....	1,090
2	Jim Coulee	2	2,877	22,852	22,823	.....	.....	2,906
5	Keg Coulee	16	3,258	6,277	6,520	.....	29	2,986
2	Keg Coulee North	2	883	1,276	1,048	.....	16	1,095
1	Kelley	3	377	2,060	1,856	.....	.....	581
92	Kevin Sunburst	531	13,723	24,127	3,705	19,074	.....	15,071
1	Laird Creek	10	1,344	2,481	2,448	.....	.....	1,377
1	Landslide Butte	1	631	8	.....	418	.....	221
3	Leary	3	1,828	3,418	2,960	.....	28	2,258
2	Little Beaver	23	143	36,205	35,122	.....	.....	1,226
2	Little Beaver East	9	2,444	9,108	9,965	.....	.....	1,587
13	Little Wall Creek	14	3,494	17,426	15,438	.....	42	5,440
1	Lodge Grass	1	828	545	.....	747	.....	626
2	Lone Butte	2	1,081	3,271	.....	3,434	.....	918
6	Lonetree Creek	6	3,595	13,462	.....	14,244	.....	2,813
1	Long Creek	1	449	631	697	.....	.....	383
2	Long Creek West	2	687	7,719	7,426	.....	.....	980
3	Lookout Butte (Coral Creek)	29	555	50,677	50,420	.....	.....	812
2	Mason Lake	2	179	213	.....	.....	.....	392
4	Melstone	8	1,065	10,961	10,869	.....	(137)	1,294
1	Mineral Bench	1	550	300	452	.....	.....	398
2	Miners Coulee	2	411	348	.....	.....	.....	759
9	MonDak West	9	6,814	37,108	18,353	17,895	.....	7,674
10	Monarch	15	3,462	10,995	7,743	2,661	.....	4,053
2	Mosser	8	.....	543	.....	543	.....	.....
1	Nohly	2	677	7,272	.....	7,136	.....	813
1	North Fork	2	1,327	4,833	.....	4,866	.....	1,294
4	Otis Creek	4	2,417	2,310	.....	2,436	.....	2,291
6	Outlook	7	1,381	15,816	15,044	.....	.....	2,153
1	Outlook South	1	991	508	.....	.....	.....	1,499
..	Outlook West	....	1,433	.....	3	.....	.....	1,430
1	Pennel	114	8,200	222,954	229,746	.....	.....	1,408
3	Pine	101	13,026	162,729	163,159	.....	.....	12,596
60	Pondera	275	6,932	23,260	18,953	4,565	.....	6,674
6	Poplar	57	6,927	33,634	31,725	833	.....	8,003
11	Poplar Northwest	16	3,223	14,808	15,336	.....	.....	2,695
1	Prairie Elk	1	326	414	.....	.....	.....	740
1	Prichard Creek	4	317	903	714	.....	.....	506
1	Putnam	2	723	2,071	2,447	.....	.....	347
3	Rabbit Hills	3	1,902	4,389	.....	4,462	.....	1,829
10	Ragged Point	23	3,538	5,519	4,533	.....	40	4,484
1	Rattler Butte	1	515	610	.....	869	.....	256
2	Rattlesnake Coulee	2	661	244	.....	.....	.....	905
2	Raymond	5	2,330	19,212	19,145	.....	.....	2,397
1	Raymond Northeast	1	285	1,314	951	.....	.....	648
3	Reagan	49	671	15,734	15,545	.....	.....	860
1	Red Creek	19	.....	7,602	7,602	.....	.....	.....
1	Red Fox	1	208	91	.....	.....	.....	299
1	Redstone	1	495	1,071	.....	1,266	.....	300
1	Repeat	1	303	1,094	.....	600	.....	797
2	Reserve	2	2,460	961	849	.....	.....	2,572
1	Richey	2	415	977	709	.....	.....	683
1	Richey Southwest	4	186	644	.....	416	.....	414
2	RipRap Coulee	2	1,106	1,251	.....	1,460	.....	897
4	Rosebud	4	1,159	2,542	2,200	.....	.....	1,501
1	Rush Mountain	1	208	1,991	.....	1,934	.....	265
2	Salt Lake	3	451	2,141	.....	2,209	.....	383
2	Sand Creek	4	402	2,472	2,472	.....	.....	402
4	Second Creek	4	961	16,350	11,259	4,760	.....	1,292
2	Sheepherder	3	650	346	647	.....	1	348
1	Shotgun Creek, North	1	156	1,298	.....	1,402	.....	52
4	Sidney	4	2,163	7,153	6,792	867	.....	1,657
7	Sioux Pass	7	5,515	25,573	.....	26,470	.....	4,618
1	Sioux Pass, East	1	377	1,670	.....	1,662	.....	385
2	Sioux Pass, Middle	2	1,608	9,247	.....	9,466	.....	1,389
5	Sioux Pass, North	5	3,979	9,819	.....	10,505	.....	3,293
1	Snyder	3	483	130	.....	178	(20)	455
8	Soap Creek	23	2,171	5,118	.....	3,876	.....	3,413
2	South Fork	2	1,599	11,824	12,276	.....	.....	1,147
1	Spring Lake	2	885	1,961	.....	2,324	.....	522
1	Stensvad	3	1,088	2,719	1,677	.....	.....	2,130
27	Sumatra	107	10,077	147,156	146,928	.....	11	10,294
5	Tule Creek	5	2,437	11,748	10,815	.....	.....	3,370
1	Tule Creek East	1	1,264	346	.....	.....	.....	1,610
2	Tule Creek South	3	1,178	301	.....	657	.....	822
3	Vaux	3	4,178	8,272	.....	9,811	.....	2,639
1	Vaux South	1	598	6,335	.....	6,130	.....	803
1	Vida	1	504	204	.....	237	.....	471
6	Volt	6	3,113	7,025	7,052	.....	.....	3,086
..	Wagon Box	....	201	.....	.....	.....	.....	201
1	Weed Creek	1	490	650	805	.....	.....	335
2	Weldon	2	1,589	2,544	2,233	.....	.....	1,900
1	West Butte	1	367	484	225	.....	.....	626
29	Whitlash	62	13,967	12,583	10,332	1,612	.....	14,606
...	Whitlash West	....	284	.....	.....	.....	.....	284
2	Willow Creek North	2	627	105	248	.....	.....	484
1	Willow Ridge	2	.....	208	.....	208	.....	.....
3	Wills Creek South	3	.....	2,933	2,933	.....	.....	.....
3	Winnett Junction	6	536	7,141	.....	6,980	.....	697
2	Wolf Springs	2	1,525	961	.....	1,236	.....	1,250
....	Womans Pocket	....	271	.....	.....	.....	.....	271
2	Woodrow	2	269	1,675	1,422	.....	.....	522
2	Wright Creek	3	1,319	399	.....	.....	.....	1,718
1	Wildcat, Big Horn County	1	401	331	.....	566	.....	166
3	Wildcat, Liberty County	4	1,523	1,973	.....	2,125	.....	1,371
....	Wildcat, McCone County	....	52	.....	.....	.....	.....	52
2	Wildcat, Musselshell County	2	720	598	.....	621	7	690
6	Wildcat, Richland County	6	3,041	18,158	10,422	7,891	.....	2,886
1	Wildcat, Roosevelt County	1	249	602	.....	.....	.....	851
3	Wildcat, Toole County	3	1,595	439	.....	457	.....	1,577
1	Wildcat, Wibaux County	1	238	201	.....	373	.....	66
770	Total	3,330	347,922	2,589,661	2,263,609	319,380	3,064	351,530

TRANSPORTERS MONTHLY REPORT—MONTH OF DECEMBER, 1977

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			771				771		
BAINVILLE—Koch Oil Co.			1,292				1,292		
BEAR'S DEN—Phillips Petr.		196	1,014			1,210			
BELL CREEK—Pipeline	30,298	714,504		31,059			737,291		38,570
BIG GULLY—Western Crude & Husky Oil			2,392				1,544	848	
BIG MUDDY—Koch Oil & Black Hills			8,645				8,645		
BIG WALL—Continental		5,275				5,275			
BORDER—Permian & N.M.O.S.			1,243			838		405	
BOULDER—R. P. Trading Co.			1,663				1,663		
BOWES—Koch Oil Co.			9,911				9,911		
BREED CREEK—Black Hills Oil Marketers			6,546			6,546			
BRORSON-MADISON, BRORSON-RED RIVER, & BRORSON R.R. SOUTH—Koch Oil Co.		10,066						10,066	
Western Crude Oil		2,692						2,692	
		12,758						12,758	
BRUSH LAKE—Portal Pipleine Co.		6,896					6,896		
BURN's CREEK—Western Crude Oil		433						433	
CABIN CREEK & OTHER's[1]									
Butte Pipeline Co.	208,377	356,483	27,568	514,091			880,522	31,059	214,938
Shell Pipeline Co.	2,967	280,568			(1,058)			282,028	2,565
	211,344	637,051	27,568	514,091	(1,058)		860,522	313,087	217,503
CANAL—Koch Oil Co.			3,064					3,064	
CAT CREEK—Continental		7,811				7,811			
CHARLIE CREEK—Black Hills Oil Marketers			11,098					11,098	
CLEAR LAKE—Wesco & U.S. Crude			8,632			6,627		2,005	
COW CREEK & COW CREEK EAST—Western Crude Oil, Inc.		17,665						17,665	
CUT BANK—									
Permian Corp.			25,934					25,934	
Phillips Petroleum Co.	18,537	48,623	3,506	79,921	1,696	115,939		11,208	21,744
Texas Pipeline Co.	16,629	13,715						12,597	17,747
Union Oil Co.	24,141	49,002		24,993	15,359	17,370		15,500	49,907
Western Oil Trans. Co.		22,290						22,290	
Western Oil Trans. Co. (Moulton)		12,851						12,851	
	59,307	146,481	29,440	104,914	17,055	133,309		100,380	89,398
DAGMAR—Portal Pipeline		3,172					3,172		
DEAN DOME—Cenex			1,178		(2)	1,180			
DRY CREEK—Husky Oil			2,977				2,977		
DWYER—Portal Pipeline Co		13,477					13,477		
ELK BASIN & ELK BASIN N.W									
Marathon Pipeline		83,547			(4)	41,141	42,410		
Permian Corp.			386			386			
		83,547	386		(4)	41,527	42,410		
FAIRVIEW—									
Fairview Pipeline Co.		12,579						12,579	
Koch Oil Co.		10,425						10,425	
		23,004						23,004	
FLAT COULEE—Phillips Petro.		10,485	215			10,700			
FLAT LAKE & FLAT LAKE SO. Portal Pipeline		45,422					45,422		
FORT GILBERT—Fairview Pipln		4,106						4,106	
FOUR MILE CREEK—Western Crude & U.S. Crude		5,727	1,522					7,249	
FRANNIE—Interstate P/L Co.		496				496			
FRED & GEORGE CR.—Phillips Petr	9,523	39,266			(851)	36,299			13,341
GAS CITY, GLENDIVE, DEER CREEK, WOODROW & SAND C—Koch Oil Co.			3,999					3,999	
Texas Pipeline Co.	8,954	17,972						16,868	10,058
	8,954	17,972	3,999					20,867	10,058
GOOSE LAKE—Portal Pipeline		14,651					14,651		
GUMBO RIDGE—Permian			723					723	
HAY CREEK—Koch Oil & Westco		850	1,733			1,334	399	850	
HIAWATHA—Continental Pipeline Co		3,199				3,199			
HOWARD COULEE—Permian			1,231					1,231	
IVANHOE—Continental Pipeline		2,459				2,459			
JIM COULEE—Continental P/L Co.		22,823				22,823			
KEG COULEE & KEG COULEE NO. Continental Pipeline Co.		7,568				7,568			
KELLEY—Continental Pipeline Co.		1,856				1,856			
KEVIN SUNBURST—									
Big West Oil Co.	19,309	23,222				808		15,855	25,868
Homestake Oil & Gas Co.	3,152	4,789				3,931			4,010
Texas Pipeline Co.	9,715	4,790		15,855		17,904		2,931	9,525
Northern Mont. Oil Service	1,270		19,966			19,538			1,698
	33,446	32,801	19,966	15,855		42,181		18,786	41,101
LAIRD CREEK—Phillips Petro. Co.		2,448				2,448			
LEARY—Western Crude		2,960						2,960	
LODGE GRASS—Permian			747			747			
LONE TREE CREEK—Koch Oil Co.			14,244					14,244	
MELSTONE—Continental P/L Co.		10,869				10,869			
MIDDLE WALL—Continental P/L Co[2]		15,686				15,686			
MINERAL BENCH—Western Crude		452						452	
MON DAK WEST—Western Crude & Koch		18,353	17,895			10,102		26,146	
MOSSER—Permian Corp.			543			543			
NOHLY—Koch Oil Co.			7,136					7,136	
NORTH FORK—Koch Oil Co			4,866					4,866	
OTIS CREEK—Western Crude			2,436			885	1,551		
OUTLOOK, OUTLOOK SO., & OUTLOOK WEST Portal Pipeline ;Co.		15,047					15,047		
PONDERA—Phillips Petr.	28,908	18,953	5,048		1,768	31,312			19,829
POPLAR AREA—East Poplar Gather.[3]	5,946	82,484			(1,123)		81,144		8,409
PUTNAM—Western Crude Oil		2,447						2,447	
RABBIT HILLS—Koch Oil			4,462				4,462		
RAGGED POINT—Continental P/L Co.		4,533				4,533			
RATTLER BUTTE—Continental Oil			869			869			
RAYMOND—Portal Pipeline		20,096					20,096		
RED CREEK—Western Oil Trans.		7,602						7,602	
REDSTONE—Koch Oil Co.			1,266					1,266	
RESERVE—Portal Pipeline		849		12,364			13,213		
RIPRAP COULEE—Koch Oil			1,460				1,460		
ROSEBUD—Continental Pipeline		2,200				2,200			
RUSH MOUNTAIN—Koch Oil			1,934					1,934	
SALT LAKE—Koch Oil			2,209					2,209	
SECOND CREEK—Koch Oil & Westco		11,259	4,760			2,120		13,899	
SHEEPHERDER—Continental P/L Co		647				647			
SHOTGUN CREEK NORTH			1,402				1,402		
SIDNEY—Western Crude		6,792	867			867		6,792	
SIOUX PASS—Western Crude & Koch Oil			48,103			20,624		27,479	
SNYDER—Permian			178					178	
SOAP CREEK—Permian			3,876					3,876	
SOUTH FORK—Koch Oil Co		12,276						12,276	
SPRING LAKE—Koch Oil			2,324					2,324	
SUMATRA, STENSVAD, & HIGH FIVE—Continental P/L Co	816,535	158,497		44,815	(1,855)	180,402			841,300
TULE CREEK, BENRUD, VOLT, & OTHERS[4]—Kenco Refiners & Western Crude	6,065		7,744		19	9,596			4,194
VAUX—Western Crude Oil & Koch Oil			15,941			8,369	6,130	1,442	
WEED CREEK—Black Hills Oil Marketers			805			805			
WELDON—Western Crude		2,233						2,233	
WHITLASH & WHITLASH WEST—Phillips Petro. Co.		10,332	1,612			11,944			
WINNETT JUNCTION—Truck			6,980			6,980			
WOLF SPRINGS—Permian Corp.			1,236					1,236	
WILDCAT WELLS		10,422	12,033			8,348		14,107	
TOTAL	1,210,326	2,300,193	319,380	723,098	13,949	664,134	1,895,548	695,663	1,283,703

[1]Cabin Creek, Little Beaver, Lookout Butte, Monarch, Pennel, Pine, & Wills Creek South.
[2]Little Wall Creek, & Willow Creek North
[3]Benrud, Long Creek, Poplar, Richey, Tule Creek, Volt, & Red Fox.
[4]Benrud, Blue Hills, Culbertson, Froid South, Poplar, Richie, Tule Creek South, & Vida.

*Includes Various Fields in Northwestern and Central Montana.

BARRELS OF CRUDE OIL REFINED IN MONTANA
DECEMBER, 1977

	Continental Oil Co.	Exxon Co.	Farmers Union	Kenco Ref., Inc.	Phillips Petr. Co.	Westco Ref. Co.	TOTAL
BIG WALL	.....	.....	5,275	.....	.....	.....	5,275
CAT CREEK	1,716	.....	6,095	.....	.....	.....	7,811
CUT BANK & OTHERS*	35,043	8,979	48,730	.....	49,245	63,611	205,608
ELK BASIN	18,253	22,888	386	.....	.....	.....	41,527
FLAT COULEE	.....	.....	.....	.....	.....	10,700	10,700
FRED & GEORGE CREEK	.....	.....	.....	.....	66,230	.....	66,230
IVANHOE	2,459	.....	.....	.....	.....	.....	2,459
JIM COULEE	22,823	.....	.....	.....	.....	.....	22,823
KEG COULEE	7,568	.....	1,882	.....	.....	.....	9,450
KELLEY	.....	1,856	.....	.....	.....	.....	1,856
KEVIN-SUNBURST	.....	.....	.....	.....	.....	16,055	16,055
LODGE GRASS	.....	.....	747	.....	.....	.....	747
MASON LAKE	.....	.....	.....	.....	.....	.....	-0-
MELSTONE	.....	.....	10,732	.....	.....	.....	10,732
MOSSER	543	.....	.....	.....	.....	.....	543
PONDERA	.....	.....	.....	.....	13,300	.....	13,300
RAGGED POINT	4,533	.....	.....	.....	.....	.....	4,533
ROSEBUD	2,200	.....	.....	.....	.....	.....	2,200
RICHEY SOUTHWEST	.....	.....	.....	654	.....	.....	654
SNYDER	178	.....	.....	.....	.....	.....	178
SUMATRA, STESVAD & HIGH FIVE	108,053	7,421	42,244	.....	.....	.....	157,718
TULE CREEK & OTHERS	.....	.....	.....	59,386	.....	.....	59,386
VAUX	.....	.....	.....	8,369	.....	.....	8,369
VOLT	.....	.....	.....	.....	.....	.....	-0-
WHITLASH	.....	.....	.....	.....	.....	11,944	11,944
WINNETT JUNCTION	.....	6,980	.....	.....	.....	.....	6,980
WOLF SPRINGS	.....	.....	1,236	.....	.....	.....	1,236
TOTAL Montana Oil	203,369	48,124	117,327	68,409	128,775	102,310	668,314
North Dakota Oil Imported	.....	.....	21,927	.....	.....	.....	21,927
Canadian Oil Imported	915,741	594,861	526,965	.....	50,830	.....	2,088,397
Wyoming Oil Imported	376,350	475,086	361,617	.....	.....	.....	1,213,053
TOTAL Montana, North Dakota, Canadian & Wyoming Oil	1,495,460	1,118,071	1,027,836	68,409	179,605	102,310	3,991,691

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	N. Dakota	TOTAL
Year, 1976	23,272	64,192	50,029	.....	137,493
December, 1976	23,454	68,615	49,550	.....	141,619
December 1977	21,559	67,367	39,131	707	128,764

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming	N. Dakota
Year, 1976	16.93%	46.69%	36.38%	.....
December, 1976	16.56%	48.45%	34.99%	.....
December 1977	16.74%	52.32%	30.39%	0.55%

Total oil produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1976	32,840,600	89,728	32,839,588	89,726
First Quarter, 1977	8,048,345	89,426	7,621,387	84,682
Second Quarter, 1977	8,198,925	90,098	8,205,476	90,170
Third Quarter, 1977	8,315,069	90,381	8,289,729	90,106
October, 1977	2,844,003	91,742	2,831,192	91,329
November, 1977	2,676,178	89,206	2,662,976	88,766
December, 1977	2,589,661	83,537	2,582,989	83,322

Oil In Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage	Total In Storage
December, 1976	304,047	1,335,168	1,134,168	2,773,383
March, 1977	328,392	1,068,110	1,390,454	2,786,956
June, 1977	310,968	1,319,341	1,412,890	3,043,199
September, 1977	326,634	1,186,720	1,174,177	2,687,531
October, 1977	336,219	1,417,601	1,103,471	2,859,291
November, 1977	347,922	1,210,326	1,299,317	2,857,565
December, 1977	351,530	1,283,703	1,421,444	3,056,677